

ACDP 1997 Survey Results

Association of Chairmen of Departments of Physiology 1997 Survey Results

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The Association of Chairmen of Departments of Physiology annual survey was mailed to 155 physiology departments throughout the US, Canada, and Puerto Rico. A total of 104 surveys was returned, for a response rate of 67%. This rate is lower than the 1996 survey (71%).

The data provide the reader with general trends of faculty salary, overall departmental budgets, and space available for

research. Faculty salary information (Tables 1, 2, and 3) is derived from the total compensation column, which includes any supplementary income but not fringe benefits. In addition to salary information, further data are provided on tenure, gender, ethnicity, and salary by number of years in rank.

Most of the statistics are based on 104 responses (5 from Canada and 2 from Puerto Rico), but salary, tenure, gender, eth-

Table 1. Faculty Salaries for Fiscal Year 1997

	Mean	% Change From Previous Survey	Minimum	Maximum	No. of Faculty
Chairmen					
All schools	\$141,430	4.5	\$34,354	\$276,601	104
Medical public	138,197	4.3	34,354	218,300	69
Medical private	154,110	6.6	45,168	276,601	29
Nonmedical	117,322	-5.4	66,889	211,500	6
Female	87,395	2.3	34,354	156,349	4
Professors					
All schools	94,461	2.6	29,273	225,800	716
Medical public	91,707	2.8	29,273	225,800	511
Medical private	105,093	4.0	36,896	205,000	158
Nonmedical	91,408	-2.0	59,076	136,500	47
Female	92,032	2.0	58,128	169,134	90
Associate Professors					
All schools	67,854	0.9	25,020	146,000	431
Medical public	67,367	1.1	25,020	112,500	279
Medical private	70,090	1.2	36,768	146,000	126
Nonmedical	62,246	2.3	47,500	93,200	26
Female	67,103	-2.0	38,551	99,302	79
Assistant Professors					
All schools	55,061	1.6	20,800	130,000	325
Medical public	55,092	2.4	20,800	130,000	190
Medical private	54,553	-0.2	26,250	79,930	117
Nonmedical	58,033	5.0	44,449	73,000	18
Female	53,752	1.4	20,800	113,050	89
Instructors					
All schools	38,966	3.4	27,500	64,926	49
Medical public	37,946	3.1	27,500	60,128	39
Medical private	40,499	0.7	29,500	49,000	9
Nonmedical	64,926	0.0	64,926	64,926	1
Female	36,274	2.4	28,074	52,000	20

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nicity, and number of years in rank results are calculated on the number of respondents providing this information. Missing from the returned surveys were years in rank for 62 faculty and ethnicity for 20 faculty.

Student/trainee information is provided by ethnicity for predoctoral and postdoctoral categories as well as predoctoral trainee completions, stipends provided, and type of support.

Departmental budget information (Table 4) is by type of support. Faculty salaries were derived from grants, negotiated indirect cost rates, and percentage of returned indirect costs. Averages are presented by research, administration, teaching, and other.

Table 5 ranks responding institutions according to total dollars, research dollars, and space. No space information was provided for one institution and no research grant dollars for one institution.

For the most part, results are calculated based on the number of respondents providing information. Inconsistent data were eliminated in an attempt to achieve accurate statistics within each category. ❖

We are grateful for the development of software by Charlene Smith, formerly of the University of Oklahoma.

Table 2. Average Salary by Number of Years in Rank

Years	Chairpersons		Professors		Associate Professors		Assistant Professors		Instructors	
	Salary	No. of faculty	Salary	No. of faculty	Salary	No. of faculty	Salary	No. of faculty	Salary	No. of faculty
0-5	\$128,838	35	\$85,236	231	\$65,863	238	\$55,006	288	\$38,502	41
6-10	149,430	29	96,410	155	70,305	93	53,469	32	43,691	6
11-15	146,133	19	97,014	133	71,323	35	74,517	3	0	0
16-20	162,940	9	96,218	94	71,718	28	53,602	1	0	0
21-25	145,981	9	99,773	70	68,739	23	64,896	1	0	0
26+	103,021	3	102,745	33	67,572	14	0	0	33,000	1

Type of Institution (n = 104)

	Support		Teaching Interactions			
Public	74	MD/DO	96	Pharmacy	27	
Private	30	DDS	31	Other biomedical	54	
		DVM	7	Life science	48	
		Allied health	58	Bioengineering	29	

Student/Trainee Summary

Total number of pre- and postdoctoral students/trainees			
Predoctoral male	962	Postdoctoral male	652
Predoctoral female	680	Postdoctoral female	324
Total number of foreign pre- and postdoctoral students/trainees			
Predoctoral male	303	Postdoctoral male	390
Predoctoral female	197	Postdoctoral female	140

Faculty Summary (n = 1,606)

	Male	Female
American Indian/Alaskan Native	2	0
Asian/Pacific Islander	100	20
Black, not of Hispanic origin	26	7
Hispanic	71	17
White, not of Hispanic origin	1,071	220
Foreign national	57	15

Ethnicity of each pre- and postdoctoral student/trainee

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
American Indian/Alaskan Native	1	6	1	2
Asian/Pacific Islander	81	40	44	39
Black, not of Hispanic origin	29	49	8	5
Hispanic	29	23	10	6
White, not of Hispanic origin	519	365	199	132

Tenure status in each department by degree (n = 1,573)

	Tenured			Total
	Tenured	Not Tenured	Not Eligible	
MD	69	5	5	79
PhD	969	259	148	1,376
Both	63	14	4	81
Other	27	2	8	37

Number of foreign pre- and postdoctoral students/trainees

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
African	7	3	4	0
Asian/Pacific Islander	167	98	242	57
Central and South American	13	6	21	3
European, Canadian, Australian	77	67	90	60
Middle Eastern	30	14	24	11
Other	9	9	9	9

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Number of foreign pre- or postdoctoral trainees whose primary source of support is:

	<i>Predoctoral</i>	<i>Postdoctoral</i>
Institutional	156	82
Research grants	451	233
Private foundations	38	25
Home (foreign) governments	34	17
Other	34	22

Foreign national predoctoral trainee completions:

	<i>Male</i>	<i>Female</i>
African	0	1
Asian or Pacific Islander	18	16
Central or South American	0	0
European, Canadian, Australian	13	2
Middle Eastern	2	2
Other	0	0

Predocotrinal Trainee Completions

Number of trainees who have completed doctoral work during the year ended June 30, 1997 (*n* = 64)

<i>Predoctoral male</i>	110	<i>Predoctoral female</i>	88
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Average annual starting stipend (in US dollars) for trainees:

<i>Predoctoral (n = 96)</i>	<i>Postdoctoral (n = 90)</i>
\$13,997.44	\$25,130.42

US citizen/resident alien predoctoral trainee completions:

	<i>Male</i>	<i>Female</i>
American Indian/Alaskan Native	0	0
Asian or Pacific Islander	18	12
Black, not of Hispanic origin	1	5
Hispanic	1	5
White, not of Hispanic origin	57	45

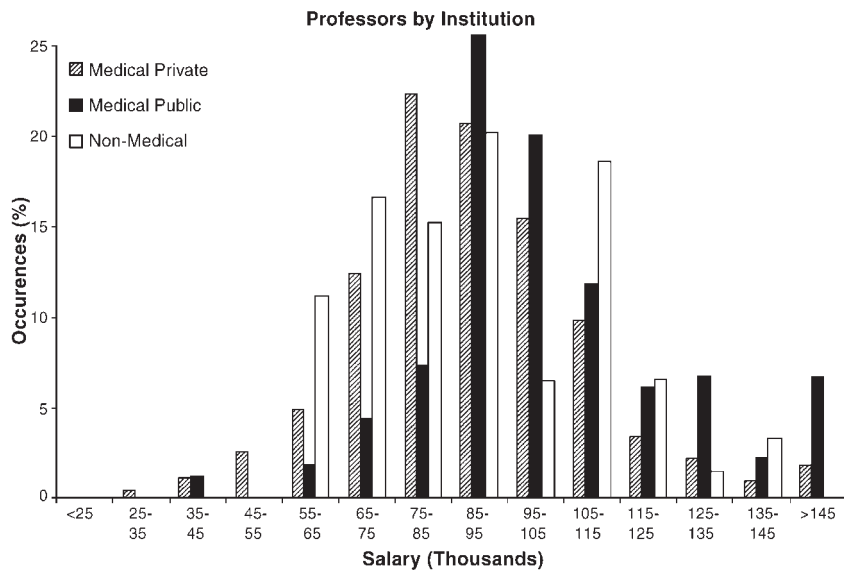
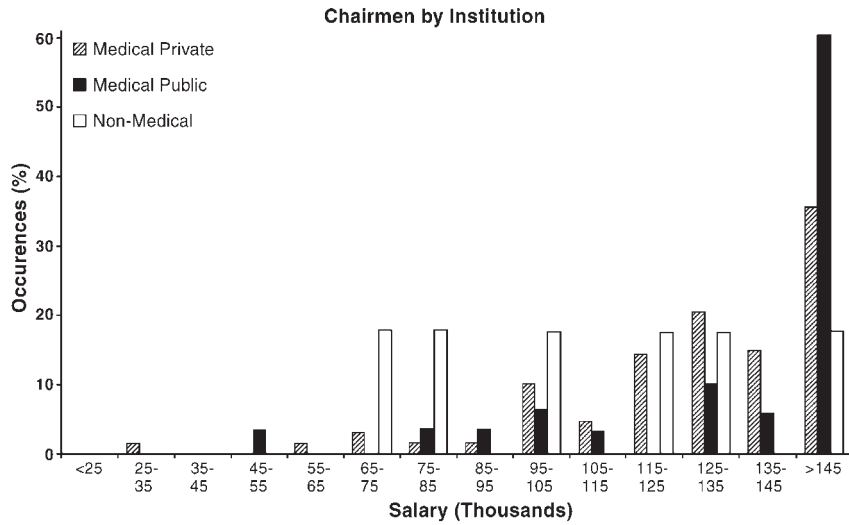
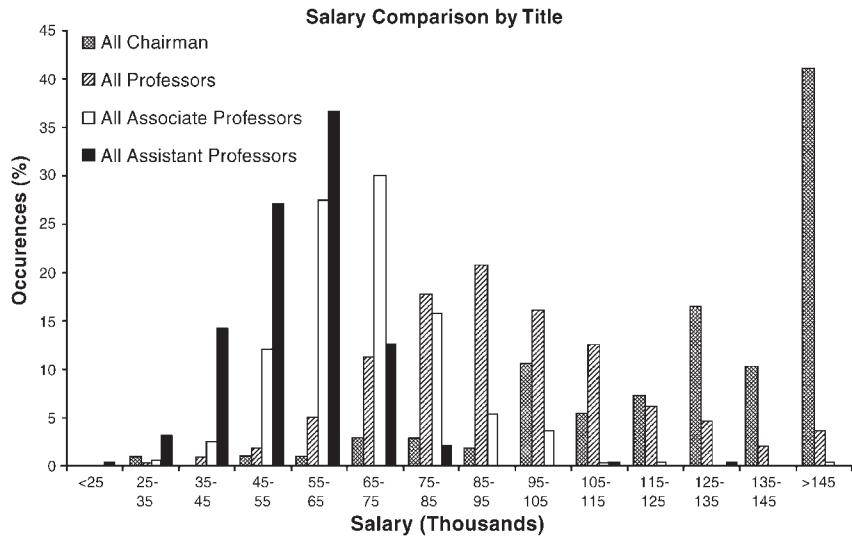
Space controlled by department (*n* = 103)

Research	15,795
Administration	2,708
Teaching	1,967
Other	1,480
Total space	21,950

Table 3. Salaries by Region

Region	Mean	Minimum	Maximum	Number	
Chairmen					
Northeast	\$147,672	\$34,354	\$201,868	21	Northeast: ME, NH, VT, NY, MA, RI, CT, NJ, PA, MD, DE, DC
Midwest	143,619	66,889	217,554	32	
South	153,151	99,269	276,601	30	
West	137,683	99,333	218,300	14	
Canada/Puerto Rico	69,956	45,168	88,048	7	
Professors					
Northeast	103,471	40,800	192,000	151	Midwest: MI, OH, IN, IL, WI, IA, MO, KS, NE, ND, SD, MN
Midwest	94,235	36,896	205,000	202	
South	93,765	36,550	163,065	223	
West	96,988	34,740	225,800	97	
Canada/Puerto Rico	64,793	29,273	110,570	43	
Associate Professors					
Northeast	75,211	40,824	146,000	85	South: VA, WV, KY, TN, NC, SC, GA, FL, AL, MS, AR, LA, OK, TX
Midwest	68,601	42,016	112,500	145	
South	68,103	25,020	115,000	124	
West	62,406	34,710	89,467	54	
Canada/Puerto Rico	47,398	36,768	69,855	23	
Assistant Professors					
Northeast	56,315	38,291	76,000	61	West: AK, HI, MT, WY, CO, NM, AZ, ID, NV, WA, OR, CA, UT
Midwest	56,766	31,200	79,930	107	
South	52,673	20,800	78,000	111	
West	58,869	26,300	130,000	38	
Canada/Puerto Rico	37,739	32,606	43,442	8	
Instructors					
Northeast	44,981	37,132	60,128	5	
Midwest	37,762	28,000	49,000	10	
South	37,224	27,500	52,000	29	
West	47,521	33,714	64,926	4	
Canada/Puerto Rico	37,221	37,221	37,221	1	

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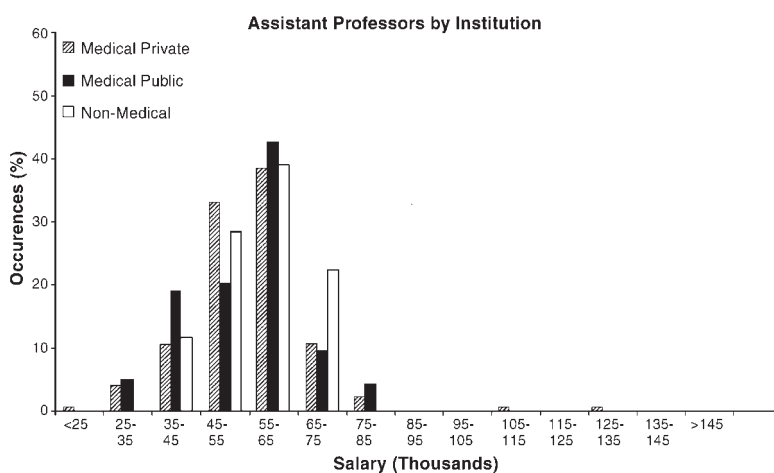
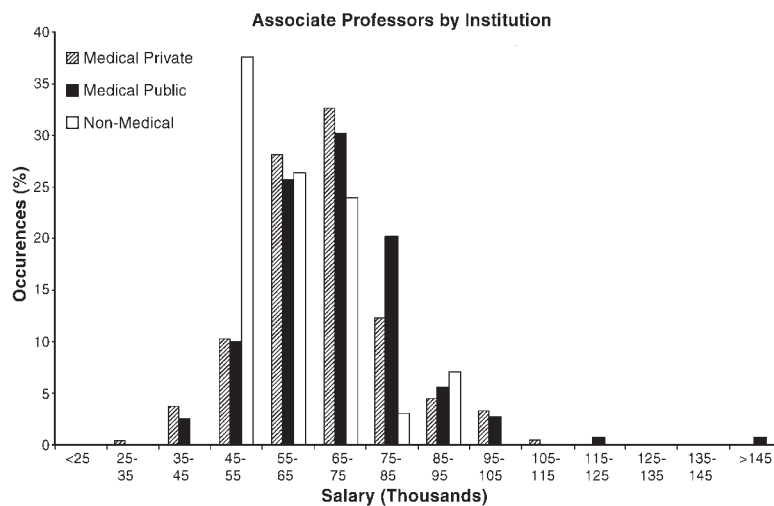


Table 4. Budgets by Institutions

	All Institutions	No.	Public Medical	No.	Private Medical	No.	Nonmedical	No.
Institutional	\$1,368,962	104	\$1,422,098	69	\$1,253,605	29	\$1,315,466	6
Outside research grants (direct costs only)	2,291,188	103	2,068,655	68	2,762,169	29	2,536,819	6
Training grants (direct costs only)	272,232	51	224,347	29	354,309	18	250,059	4
Endowments	182,126	43	205,749	30	147,237	9	83,449	4
Indirect recovery costs (amount to dept.)	123,452	53	127,433	46	74,514	5	154,251	2
Other budget support	407,718	48	466,583	34	262,341	13	296,226	1
Average	4,098,011	104	3,959,385	69	4,411,832	29	4,175,411	6
Standard deviation	2,501,985		2,369,811		2,772,991		2,460,196	

Financial Information

Percentage of total faculty salaries derived from research grants (not including fringe benefit amounts):	29.3%	(n = 82)
Current fringe benefit rate most frequently used for primary faculty:	24.8%	(n = 102)
For faculty salaries raised from grants, etc., percentage of allocated salary dollars directly returned to department:	79.4%	(n = 51)
Federally negotiated indirect cost rate for FY 97-98 on campus:	50.7%	(n = 98)
off campus:	26.9%	(n = 65)
Percentage of indirect costs returned to department:	17.7%	(n = 45)

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Table 5. Complete Ranking According to Total Dollars

Rank Total Dollars	Total Dollars	Rank Research Grant Dollars	Research Grant Dollars	Rank Research Dollars/ Faculty	Research Dollars/ Faculty	Rank Total Research Space	Research Space (sq. ft.)	Rank Research Dollars/ sq. ft.	Research Dollars/ sq. ft.	No. of Faculty
1	\$10,640,222	1	\$7,846,845	5	\$326,952	6	31,266	8	\$251	24
2	10,600,000	28	3,300,000	19	206,250	12	28,350	57	116	16
3	9,388,286	2	7,498,364	14	220,540	4	35,000	18	214	34
4	9,063,107	3	6,250,369	4	328,967	13	26,850	12	233	19
5	8,747,911	4	6,122,877	17	211,134	28	19,908	4	308	29
6	8,542,669	6	5,372,464	28	191,874	24	21,434	7	251	28
7	8,512,558	5	6,118,000	9	278,091	104	0	103	0	22
8	8,215,266	15	4,093,935	10	272,929	42	17,092	9	240	15
9	8,036,220	8	4,714,891	36	162,582	25	21,316	16	221	29
10	8,005,750	7	4,862,314	24	202,596	19	25,169	21	193	24
11	7,831,587	25	3,599,861	26	199,992	32	19,106	22	188	18
12	7,622,731	23	3,665,050	23	203,614	18	25,691	42	143	18
13	7,514,608	24	3,642,546	45	130,091	9	29,332	51	124	28
14	7,274,747	21	3,794,183	18	210,788	16	26,141	40	145	18
15	7,258,000	9	4,599,000	15	219,000	3	35,577	45	129	21
16	7,204,844	40	2,442,707	43	135,706	10	28,885	75	85	18
17	7,065,370	12	4,446,579	25	202,117	51	14,800	5	300	22
18	6,927,730	22	3,684,769	27	193,935	21	24,024	37	153	19
19	6,583,479	18	3,982,289	12	234,252	41	17,479	14	228	17
20	6,578,682	20	3,892,174	21	204,851	1	43,443	70	90	19
21	6,365,207	44	2,279,165	55	113,958	30	19,700	55	116	20
22	6,352,619	16	4,016,690	34	174,639	14	26,348	38	152	23
23	6,248,317	10	4,585,317	7	305,688	31	19,397	11	236	15
24	6,160,395	14	4,211,406	6	323,954	53	14,634	6	288	13
25	5,918,268	13	4,340,000	31	188,696	7	30,037	41	144	23
26	5,753,935	17	4,006,000	8	286,143	44	16,773	10	239	14
27	5,596,749	11	4,568,806	2	380,734	55	14,127	3	323	12
28	5,446,685	19	3,896,687	20	205,089	39	17,937	17	217	19
29	5,430,698	36	2,595,439	42	136,602	47	15,688	30	165	19
30	5,272,267	29	3,228,094	33	179,339	2	36,618	72	88	18
31	5,204,742	52	2,017,812	84	67,260	20	24,241	76	83	30
32	4,971,816	31	2,910,992	51	121,291	23	21,719	44	134	24
33	4,920,139	46	2,213,556	71	92,232	22	22,672	67	98	24
34	4,861,508	51	2,100,052	56	110,529	27	20,482	65	103	19
35	4,824,545	41	2,427,393	68	97,096	35	18,760	46	129	25
36	4,766,823	26	3,476,064	40	144,836	11	28,461	53	122	24
37	4,751,911	42	2,404,493	47	126,552	17	26,025	69	92	19
38	4,729,969	33	2,863,968	37	150,735	38	18,000	33	159	19
39	4,690,363	45	2,258,175	63	102,644	5	32,541	83	69	22
40	4,578,764	30	2,980,100	35	165,561	91	7,203	1	414	18
41	4,567,515	43	2,302,496	58	109,643	36	18,298	49	126	21
42	4,471,566	34	2,842,067	1	406,010	63	12,251	13	232	7
43	4,453,000	27	3,400,000	3	340,000	70	9,759	2	348	10
44	4,408,836	32	2,880,070	62	102,860	37	18,226	34	158	28
45	4,297,436	47	2,200,000	41	137,500	40	17,505	48	126	16
46	4,272,238	54	1,944,000	80	77,760	15	26,333	82	74	25
47	4,258,877	37	2,561,625	16	213,469	56	14,000	25	183	12
48	4,203,678	35	2,671,295	11	242,845	59	12,667	19	211	11
49	4,200,000	53	2,000,000	69	95,238	26	21,309	68	94	21
50	4,175,586	49	2,188,693	32	182,391	57	13,261	29	165	12
51	4,163,189	39	2,446,150	22	203,846	58	13,068	23	187	12
52	3,970,417	57	1,765,165	75	84,055	64	10,991	32	161	21

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Table 5 (continued)

Rank Total Dollars	Total Dollars	Rank Research Grant Dollars	Research Grant Dollars	Rank Research Dollars/ Faculty	Research Dollars/ Faculty	Rank Total Research Space	Research Space (sq. ft.)	Rank Research Dollars/ sq. ft.	Research Dollars/ sq. ft.	No. of Faculty
53	3,886,352	38	2,483,000	29	191,000	45	16,500	39	150	13
54	3,838,634	65	1,458,526	82	69,454	61	12,535	56	116	21
55	3,811,576	61	1,613,438	48	124,111	54	14,175	59	114	13
56	3,721,311	48	2,196,754	54	115,619	8	29,872	81	74	19
57	3,432,087	58	1,726,800	77	82,229	43	16,880	66	102	21
58	3,391,570	59	1,652,000	61	103,250	29	19,813	77	83	16
59	3,307,987	60	1,640,398	53	117,171	75	8,784	24	187	14
60	3,081,942	62	1,603,644	39	145,786	82	8,038	20	200	11
61	3,045,973	56	1,797,035	46	128,360	68	10,112	26	178	14
62	2,983,527	88	521,511	93	34,767	81	8,131	86	64	15
63	2,976,547	55	1,888,515	30	188,852	50	14,881	47	127	10
64	2,957,326	68	1,280,500	73	91,464	66	10,503	52	122	14
65	2,756,166	50	2,114,957	44	132,185	34	18,971	61	111	16
66	2,668,338	77	1,071,021	81	76,502	69	9,809	62	109	14
67	2,544,924	64	1,488,367	49	124,031	93	6,565	15	227	12
68	2,473,270	69	1,271,695	74	90,835	67	10,257	50	124	14
69	2,424,971	63	1,544,729	13	220,676	52	14,668	64	105	7
70	2,393,181	72	1,186,342	60	107,849	84	7,730	36	153	11
71	2,334,902	74	1,104,753	66	100,432	72	9,316	54	119	11
72	2,279,303	75	1,104,656	72	92,055	71	9,567	58	115	12
73	2,248,369	71	1,218,819	50	121,882	88	7,379	31	165	10
74	2,206,768	73	1,150,610	78	82,186	89	7,352	35	157	14
75	2,191,004	79	950,911	79	79,243	60	12,640	80	75	12
76	2,154,585	66	1,412,482	65	100,892	79	8,350	27	169	14
77	2,122,573	67	1,292,037	52	117,458	33	19,030	84	68	11
78	1,993,694	83	733,329	91	38,596	46	16,081	94	46	19
79	1,968,459	80	944,377	83	67,456	65	10,820	74	87	14
80	1,953,755	93	378,115	94	29,086	74	9,000	96	42	13
81	1,934,453	90	450,000	95	28,125	78	8,526	90	53	16
82	1,847,879	82	789,265	67	98,658	48	15,363	91	51	8
83	1,840,525	87	578,405	87	57,841	73	9,131	87	63	10
84	1,806,625	70	1,224,006	70	94,154	90	7,305	28	168	13
85	1,800,000	84	700,000	88	53,846	49	15,000	93	47	13
86	1,785,447	96	229,607	99	16,401	80	8,264	97	28	14
87	1,722,121	86	597,188	85	59,719	92	6,700	71	89	10
88	1,674,620	81	817,613	64	102,202	85	7,682	63	106	8
89	1,574,399	76	1,103,124	57	110,312	62	12,470	73	88	10
90	1,570,012	97	202,640	96	25,330	87	7,433	98	27	8
91	1,557,919	78	979,016	59	108,780	77	8,662	60	113	9
92	1,515,749	92	395,000	90	39,500	94	6,190	85	64	10
93	1,389,379	99	121,439	102	10,120	83	8,000	101	15	12
94	1,290,547	91	400,000	92	36,364	86	7,450	89	54	11
95	1,271,574	89	503,552	76	83,925	76	8,762	88	57	6
96	956,405	85	599,694	38	149,924	97	4,480	43	134	4
97	878,717	95	295,000	86	59,000	98	3,741	78	79	5
98	850,288	94	296,386	89	49,398	95	6,000	92	49	6
99	640,928	98	150,000	97	25,000	102	1,900	79	79	6
100	508,074	100	88,962	98	17,792	100	3,527	99	25	5
101	305,373	104	0	104	0	96	4,570	104	0	8
102	267,000	102	53,000	100	13,250	103	1,200	95	44	4
103	88,520	101	71,752	101	10,250	101	3,178	100	23	7
104	65,690	103	6,380	103	1,063	99	3,688	102	2	6